

A CATALOGUE OF VICTORIAN HETEROCERA.

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PART I.

As so little has been done towards compiling a systematic list of Victorian moths, I am pleased to be able, with the consent of the committee of the Field Naturalists' Club of Victoria, to present a first instalment of such a list, to be continued at intervals until completed. I am well aware, in undertaking the subject, that it must necessarily fall short of all requirements; but that it will prove of some use to Victorian lepidopterists is my sincere desire. What I wish is to make it useful as a guide to the arrangement of our species, besides giving references, synonymy (where necessary), and localities where they have been met with. I regret being unable, through the want of proper literature, &c., to give references in all cases. It is a deplorable fact that we have very few working entomologists in our midst, and it is with the hope of creating greater interest in this branch of natural history that I am writing on the subject. We have in Australia groups of most wonderfully interesting insects, which will well repay any entomologist who will trouble to examine their peculiarities of structure, &c. Perhaps it would be as well to mention here that I shall be most happy to assist any collectors in the identification of species entrusted for determination, and would return all specimens where so desired.

In compiling this list, I have to acknowledge my indebtedness to Messrs. Geo. Lyell, jun., of Gisborne, a most enthusiastic and energetic correspondent; J. A. Kershaw, of Windsor; Frank Spry, of South Melbourne, and other friends, for their kindness. To the two first named gentlemen I am specially indebted for their indefatigable promptitude in replying to queries, loan of specimens, &c.

It has been pointed out to me that few of our entomologists confine themselves to Victorian species, so I include the other known Australian genera in italics to make the list more complete and show the relative positions of each. The genera and species are arranged in natural sequence, following in the main the admirable arrangement of that eminent lepidopterist, Mr. E. Meyrick, B.A., F.E.S. Some of the species I have not seen, but are enumerated on the authority of Walker, Rosenstock, and others. It is a rather difficult matter to decide what insects are entitled to be included, as most of the older authors simply gave the locality as New Holland. This applies more especially to the Bombycina and Noctuina. The last few remarks are written with the object of conveying the value of correctly labelling *all* captures with their proper data. In conclusion, I would state that any criticisms, corrections, or additions will be thankfully received and acknowledged in their proper place. Those species marked with an asterisk (*) are now recorded from Victoria for

the first time. On completion of the whole group I will give an additional supplementary list of those species which I had overlooked, &c.

Order—LEPIDOPTERA.

Section—HETEROCERA.

FAMILY—CASTNIIDÆ.

SYNEMON. Dbldy.

1. *S. SOPHIA*, White (Grey's Exped. Aust., app., 474, f. 7; Dbldy., Lort's Disc. Aust., app. i., 516; Walk., B. M. Cat., i., p. 54).
2. *S. PLANA*, Walk. (B. M. Cat., i., p. 37).
Victoria, Western District.
3. *S. LÆTA*, Walker (B. M. Cat., i., p. 36, 1854).
Victoria, Western District.
4. *S. HESPEROIDES*, Feld.
Victoria, Craigieburn.

FAMILY—AGARISTIDÆ.

I here append the Agaristidæ, which I am of opinion is truly referable to the Noctuina, but as this group (*i.e.*, the Noctuina) is so inextricably mixed, I will content myself by following the usual method, and arrange them here.

ÆGOCERA. Latr.

AGARISTA. Leach.

5. *A. AGRICOLA*, Don (Ill. Aust. Ins. Lep.; *A. picta*, Leach, Zool. Misc., i., p. 15; Godt. Enc. Meth., ix., 1803; Duncan, Exot. Moths, xxxvi., 83, pl. 2, fig. i.)
6. *A. CASUARINÆ*, Scott.
7. *A. GLYCINE*, Lew. (Ins. N.S.W., ii., pl. i., *Phalænoides*, G.; *Agarista glycinae*, Bdv., Voy. *Astrolabe*, pl. i., Lep., 175).
Gisborne, Melbourne, &c.
8. *A. EPHYRA*, Walk. (B. M. Cat., i., p. 42).
Gisborne, Melbourne, Healesville, &c.
9. *A. LEWINII*, Bdv. (Voy. *Astrolabe*, pl. i., Lep., 176).
Gisborne, Myrtleford, Sale, &c.
10. *A. DONOVANI*, Bdv. (L. C. 176-7, Feist, Voy. de *La Favorite*, v., supp. 22).
11. *A. LATINUS*, Don. (*Papilio latinus*, Ins. N. H., Bdv.; *Agarista latinus*, Voy. *Astrolabe*, p. i., Lep., 174, 4).

DAMIAS. Bdv.

HECATESIA. Bdv.

12. H. FENESTRATA, Bdv. (Mong. Zyg., ii., pl. i., f. 2 : Grey, Exp. Aust., app., 415, 8, f. 2 ; Swain, Ill. Zool., 2nd ser., pl. 116).
13. H. THYRIDION, Feist (Voy. de *La Favorite*, v., supp. 19, pl. 5, f. i. ; White, App. Grey's Exp. Aust., 475).

FAMILY—SYNTOMIDIDÆ.

AGAPHTHORA. Meyr.

HYDRUSA. Walk.

- *14. H. APERTA, Walk. (Syntomis aperta, B. M. Cat., supp. 72 ; Meyr., Proc. Linn. Soc. N.S.W., 783, 1886).
- *15. H. ANNULATA, F. (*Zygæna annulata*, F. E. S., 389 ; *Hydrusa cingulata*, Butler, Jour. Linn. Soc., 352, 1876 ; *H. nigriceps*, *ib.* ; *H. annulata*, Meyr., Proc. Linn. Soc. N.S.W., 783, 1886).
- *16. H. NESOTHETIS, Meyr. (Proc. Linn. Soc. N.S.W., 783, 1886).
Gunbower.

CHOROMELES. Meyr.*EUCHROMIA.* Hb.

FAMILY—ZYGÆNIDÆ.

PROCRIS. F.

17. P. DOLENS, Walk. (Bomb., 112, Meyr., Proc. Linn. Soc. N.S.W., 791, 1886).
Macedon, Melbourne, Gunbower, &c.
18. P. CORONIAS, Meyr. (Proc. Linn. Soc., N.S.W., 792, 1886).
Macedon.
19. P. SUBDOLOSA, Walk. (B. M. Cat., supp. 62 ; Meyr., Proc. Linn. Soc. N.S.W., 793, 1886).
Melbourne, Oakleigh.
- *20. P. APICALIS, Walk. (Bomb., 111 ; *Pollanisus sequens*, *ib.*, 115 ; *Procris Nova Hollandiæ*, Wallg. Wien. Ent. Mon., 1860, 39 ; Meyr., Proc. Linn. Soc., N.S.W., 794, 1886).
Melbourne.
21. P. VIRIDIPULVERULENTA, Guer. (Mag. Zool., pl. xi., 3, 1839 ; Meyr., Proc. Linn. Soc. N.S.W., 794, 1886).
Melbourne, Gisborne, &c.
- *22. P. AMETHYSTINA, Meyr. (Proc. Linn. Soc., N.S.W., 927, ? 1887).
Melbourne.

HESTIOCHORA. Meyr.

23. H. TRICOLOR, Walk. (Bomb., 111; Meyr., Proc. Linn. Soc., N.S.W., 788, 1886).
Gisborne, Melbourne, &c.

Group—SPHINGINA.

FAMILY—SPHINGIDÆ.

SUB-FAMILY—MACROGLOSSINÆ.

HEMARIS. Dalm.*MACROGLOSSA*. Ochs.

SUB-FAMILY—CHÆROCAMPINÆ.

ACOSMERYX. Bdv.*PANACRA*. Walk.*CIZARA*. Walk.*CHÆROCAMPA*. Dup.

24. C. CELERIO, Linn. (Sphinx celerio, Linn., Syst. Nat., 1, 2, p. 800, n. 12, 1767).
25. C. SCROFA, Bdv. (Deilephila scrofa, Bdv., Voy. *Astrolabe*, Lep., p. 185, n. 3, 1832).
Gisborne, Melbourne, &c.
*26. C. EROTUS, Cram. (Sphinx erotus, Cram., Pap. Ex. iii., t. 104, f. 13, 1779)

DEILEPHILA. Ochs.

SUB-FAMILY—AMBULICINÆ.

AMBULYX. Westw.

SUB-FAMILY—SMERINTHINÆ.

CÆQUOSA. Walk.

27. C. AUSTRALASIÆ. Don. (Sphinx australasiæ, Don. Ins. N. H., f. i., 1805; Brachyglossa banksiæ, Bdv., Sp. Gen. t. 33, Het., i., p. 11, t. 27, f. i., 1874).

SUB-FAMILY—SPHINGINÆ.

PROTOPARCE. Burm.

28. P. CONVULVULI, Linn. (Sphinx convulvuli, Linn., Syst. Nat. 1, 2, p. 798, 1767; Sphinx rosei-fasciata, Koch, Ind. Aust. Lep. Faun., p. 54, 1873; Scott, A. S. M. S. S.)
MACROSILA. Walk.
NEPHILE. Hb. (Zonilia, Walk.)

(To be continued).